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SUGHRUE MION, PLLC

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FAX

Date June 7, 2004

To Examiner Tuan T. DINH

Of PTO Group Art Unit 2827

Fax (703) 872-9306

From Kevin M. Barner

Subject INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.97 and 1.98
and STATEMENT UNDER 37 C.F.R. § 1.97(e)

Our Ref Q68175 Appln No 10/053,555

Conf No 3320 Inventors Tadao OOKAWA, et al.

Pages 34 (including cover sheet)

Please call attention to problems with this transmission by return fax or telephone. Thank you.

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This fax filing includes:

1. This cover sheet
2. Information Disclosure Statement
(in duplicate with deposit account authorization, \$180.00, copy of Communication from a foreign patent office with English language translation, 2 references and PTO/SB/08 A & B (modified))
3. Statement Under 37 C.F.R. § 1.97(e)

CERTIFICATION OF FACSIMILE TRANSMISSION

Sir:

I hereby certify that the above identified correspondence is being facsimile transmitted to Examiner Tuan T. DINH at the Patent and Trademark Office on June 7, 2004 at facsimile no. (703) 872-9306.

Respectfully submitted,

Kevin M. Barner

JUN 07 2004

OFFICIAL

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q68175

Tadao OOKAWA, et al.

Allowed: April 23, 2004

Appln. No.: 10/053,555

Group Art Unit: 2827

Confirmation No.: 3320

Examiner: Tuan T. DINH

Filed: January 24, 2002

For: JUNCTION FLEXIBLE WIRING CIRCUIT BOARD

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98**MAIL STOP ISSUE FEE**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, along with a copy of the corresponding Communication from a Foreign Patent Office.

The present Information Disclosure Statement is being filed after either a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), but before payment of the Issue Fee, and therefore Applicants are

INFORMATION DISCLOSURE STATEMENT
U.S. Appln. No.: 10/053,555

submitting herewith a Statement Under 37 C.F.R. § 1.97(c). The USPTO is authorized to charge the fee of \$180.00 under 37 C.F.R. § 1.17(p) to Deposit Account No. 19-4880.

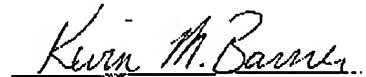
The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

CERTIFICATION OF FACSIMILE TRANSMISSION

The undersigned hereby certifies that the above identified correspondence is being facsimile transmitted to Examiner Tuan T. DINH at the Patent and Trademark Office on June 7, 2004 at facsimile no. (703) 872-9306.

Respectfully submitted,



Kevin M. Barner
Registration No. 46,075

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293 7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: June 7, 2004

Attorney Docket No.: Q68175

PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of	Docket No: Q68175
Tadao OOKAWA, et al.	Allowed: April 23, 2004
Appln. No.: 10/053,555	Group Art Unit: 2827
Confirmation No.: 3320	Examiner: Tuan T. DINH
Filed: January 24, 2002	
For: JUNCTION FLEXIBLE WIRING CIRCUIT BOARD	

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

MAIL STOP ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, along with a copy of the corresponding Communication from a Foreign Patent Office.

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INFORMATION DISCLOSURE STATEMENT
U.S. Appln. No.: 10/053,555

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CERTIFICATION OF FACSIMILE TRANSMISSION

The undersigned hereby certifies that the above identified correspondence is being facsimile transmitted to Examiner Tuan T. DINH at the Patent and Trademark Office on June 7, 2004 at facsimile no. (703) 872-9306.

Respectfully submitted,



Kevin M. Barner
Registration No. 46,075

SUGHRUE MION, PLLC
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STATEMENT UNDER 37 C.F.R. § 1.97(e)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

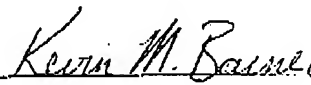
The undersigned hereby states, upon information and belief:

That each item of information contained in the Information Disclosure Statement filed concurrently herewith was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of said Information Disclosure Statement.

CERTIFICATION OF FACSIMILE TRANSMISSION

The undersigned hereby certifies that the above identified correspondence is being facsimile transmitted to Examiner Tuan T. DINH at the Patent and Trademark Office on June 7, 2004 at facsimile no. (703) 872-9306.

Respectfully submitted,


Kevin M. Barner
Registration No. 46,075

SUGHRUE MION, PLLC
Telephone: (202) 293-7060
Facsimile: (202) 293-7860

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: June 7, 2004

Patent Office of the People's Republic of China

Address : Receiving Section of the Chinese Patent Office, No. 6 Tuchen Road West, Haidian District, Beijing, Postal code: 100088

Applicant	NITTO DENKO CORPORATION		Serial	
Agent	China Patent Agent (H.K.) Ltd.		Examiner	
Patent Application No.	02103362.5	Application Date	January 28, 2002	Date of Issue
Title of Invention	JUNCTION FLEXIBLE WIRING CIRCUIT BOARD			
				April 30, 2004

First Office Action

1. ☒ Pursuant to the provision of Article 35 (1) of the Chinese Patent Law, the examiner made an examination as to substance of the captioned patent application for invention upon the request for substantive examination filed by the applicant.
- ☐ Pursuant to the provision of Article 35 (2) of the Chinese Patent Law, the Chinese Patent Office has decided to conduct on its own initiative an examination as to substance of the captioned patent application for invention.
2. ☒ The applicant requests taking the filing date, January 26, 2001, at the JP Patent Office, the filing date, , at the Patent Office, the filing date, , at the Patent Office as the priority date of the present application.
 - ☒ A copy of the first filed patent application certified by the receiving organ of the initial country of filing has been submitted by the applicant.
 - ☐ A copy of the first filed patent application certified by the receiving organ of the initial country of filing has not been submitted by the applicant. Pursuant to the provision of Article 30 of the Chinese Patent Law, no priority right shall be deemed to have been claimed.
3. ☐ The applicant filed amended application document(s) on and .
 - ☐ Examination has confirmed that filed on cannot be accepted, filed on cannot be accepted, as the above amendment(s) ☐ is/are not in conformity with the provision of Article 33 of the Chinese Patent Law.
 - ☐ is/are not in conformity with the provision of Rule 51 of the Implementing Regulations of the Chinese Patent Law.
 - ☐ For the specific reason that the amendment(s) cannot be accepted, see the text of the Office Action.

4. ☒ The examination is conducted in the light of the original application document(s)
☐ The examination is conducted in the light of the following application document(s):
in the original application documents submitted on the filing date:
Claim(s) _____, page(s) _____ of the description, Figure(s)
of the drawing(s); Claim(s) _____, page(s) _____ of the description,
Figure(s) _____ submitted on _____; Claim(s) _____, page(s)
of the description, Figure(s) _____ submitted on _____
☐ Abstract of the description submitted on _____
5. ☐ The present Office Action has been prepared without a search having been conducted.
☒ The present Office Action has been prepared with a search having been conducted.
☒ The following reference document(s) is/are cited in this Office Action (its/their serial number(s) will, continue to be used throughout the examination procedure):

No.	Number or Title of Document	Date of Publication (or filing date of interfering application)
1	US 5857257 A	(Date) January 12, 1999
2	US 5965842 A	(Date) October 12, 1999
3		(Date)
4		
5		
6		

6. The concluding comments of the examiner are:

- ☐ On the description:
☐ The content of the application comes within the scope where no patent right is granted as provided in Article 5 of the Patent Law.
☐ The description is not in conformity with the provision of Article 26(3) of the Patent Law.
☐ The drafting of the description is not in conformity with the provision of Rule 18 of the Implementing Regulations.
- ☒ On the claims:
☐ Claim comes within the scope where no patent right is granted as provided in Article 25 of the Patent Law.
☐ Claim is not in conformity with the definition of invention in Rule 2(1) of the Implementing Regulations.
☐ Claim _____ does not possess novelty as provided in Article 22(2) of the Patent Law.
☒ Claim 1-8 does not possess inventiveness as provided in Article 22(3) of the Patent Law.
☐ Claim _____ does not possess practical applicability as provided in Article 22(4) of the Patent Law.
☐ Claim _____ is not in conformity with the provision of Article 26(4) of the Patent

- ☐ Claim _____ is not in conformity with the provision of Article 31(1) of the Patent Law.
- ☐ Claim _____ is not in conformity with the provisions of Rules 20-23 of the Implementing Regulations.
- ☐ Claim _____ is not in conformity with the provision of Article 9 of the Patent Law.
- ☐ Claim _____ is not in conformity of the provision of Rule 12(1) of the Implementing Regulations.

For specific analyses of the above concluding comments, see the text of this Office Action.

7. In view of the above concluding comments, the examiner holds that:

- ☐ The applicant should amend the application document in accordance with the requirements raised in the text of this Office Action. The amended document(s) should be submitted in duplicate and should conform to the provisions of Article 33 of the Patent Law and Rule 51 of the Implementing Regulations of the Chinese Patent Law.
- ☐ The applicant should expound in his Observations the reasons why the captioned patent application is patentable and amend the places not conforming to regulations as pointed out in the text of the Office Action, otherwise it would be impossible for the patent right to be granted.
- ☒ The captioned patent application contains no substantive content for which the patent right may be granted, thus if the applicant has not advanced his reasons or has not done so adequately, the application will be rejected.

8. The applicant should pay attention to the following matters:

- (1) In accordance with the provision of Article 37 of the Patent Law, the applicant should submit his/its Observations within four months from the date of receipt of this Office Action; if, without any justified reason, the time limit for making response is not met, the application will be deemed to have been withdrawn.
- (2) The amendments made by the applicant to his application should conform to the provision of Article 33 of the Patent Law, the amended text should be in duplicate and the format should conform to the relevant provisions of the Guidelines for Examination.
- (3) The applicant's Observations or amended text should be mailed or presented to the Receiving Section of the Chinese Patent Office. Document not mailed or presented to the Acceptance Section have no legal force.
- (4) Without making an appointment, the applicant and/or agent may not come to the Chinese Patent Office to hold an interview with the examiner.

9. This Office Action consists of the text portion totalling 3 page(s) and of the following annex(es):

- ☒ 2 duplicate copies of the reference document(s) cited totalling 9 page(s).

☐

☐

0154747

First Office Action

The present application relates to a junction flexible wiring circuit board. The priority date is 26/01/2001, while the application date is 28/01/2002, which exceeds the 12-month time limit, hence, its priority is untenable. After the examination, the examiner has the following comments:

(I) On the claims

(1) Claim 1 has no inventiveness of art. 22.3 of the Patent Law. Ref. 1 discloses a method of manufacturing a magnetic head suspension having a circuit wiring pattern member and the following feature: a magnetic head suspension having a circuit wiring pattern member for connecting a magnetic head element to a read-write amplifier circuit board (col. 1, lines 7-14, col. 2, lines 27-48). The difference between claim 1 and ref. 1 lies in that claim 1 claims "a metal layer formed as a front surface layer of said junction flexible wiring circuit board". The function of this distinguishing feature is to avoid the signal reflex between the flexible wiring circuit board and the suspension board thereby improving the problem of characteristic impedance.

Ref. 2 discloses an electromagnetic interference shielding used on a soft conductive line connected to a computer, such as a conductive ribbon formed of a polyimide substrate and a copper ribbon, and a metal layer of copper or nickel is plated on its surface (col. 1, lines 36-42, col. 2, lines 1-

10), and its function is also to improve the problem of characteristic impedance, thus it can be seen that refs. 1 and 2 disclose all the tech-features in said claim. It is obvious that those skilled in the art can obtain the tech-solution in said claim on the basis of ref. 1 and in combination with ref. 2, further, combination of the two does not produce unexpected tech-result, hence, said claim does not possess any prominent substantive feature, nor does it represent any notable progress, and does not have inventiveness of art. 22.3 of the Patent Law.

(2) The additional tech-feature in claim 2 is: a plurality of wiring circuit patterns disposed at intervals of a predetermined distance, and said metal layer is formed in a position opposite to said patterns. Said feature is disclosed in refs. 1 and 2 (ibid.). The difference only lies in that ref. 1 discloses one read line and one write line, but the number of read/write lines are set according to the requirement, setting more lines does not bring about any prominent substantive feature, nor does it bring about any notable progress, hence, when claim 1 has no inventiveness, claim 2 does not have inventiveness of art. 22.3 of the Patent Law either.

(3) The additional tech-feature in claim 3 is: a width of each of said wiring circuit patterns is not projected out from a width of said metal layer. Said feature is disclosed in refs. 1 and 2 (ibid.). In ref. 2, the metal

layer covers the entire surface, the wiring circuit patterns is surely not projected out from the metal layer, hence, when claim 2 has no inventiveness, claim 3 does not have inventiveness of art. 22.3 of the Patent Law either.

(4) The additional tech-feature in claim 4 is: a width of said metal layer...to be not smaller than a sum of a total width of said wiring circuit patterns and a total width of intervals therebetween, a width of each of said wiring circuit patterns is not projected out from the width of said metal layer. Said feature is disclosed in refs. 1 and 2 (ibid.). In ref. 2, the metal layer covers the entire surface, its width is surely larger than the wiring circuit patterns, hence, when claim 2 has no inventiveness, claim 4 does not have inventiveness of art. 22.3 of the Patent Law either.

(5) The additional tech-features in claim 5 are: each of said wiring circuit patterns is provided with at least one of write line and at least one of read line, said metal layer includes a portion opposite to said write lines, and a portion opposite to said read lines. Said features are disclosed in refs. 1 and 2 (ibid.). In ref. 1, the wiring circuit patterns is provided with one of write line and one of read line, and in ref. 2, the metal layer covers the entire surface, it surely has a portion opposite to the write lines and a portion opposite to said read lines, hence, when claim 2 has no

inventiveness, claim 5 does not have inventiveness of art. 22.3 of the Patent Law either.

(6) The additional tech-features in claim 6 are: a width of said write line side metal layer...to be not smaller than a sum of a total width of said write lines and a total width of intervals between said write lines, a width of each of said write lines portion is not projected out from the width of said write line side metal layer, a width of said read line side metal layer...to be not smaller than a sum of a total width of said read lines and a total width of intervals between said read lines, a width of each of said read lines is not projected out from the width of said read line side metal layer. Said features are disclosed in refs. 1 and 2 (ibid.). In ref. 2, the metal layer covers the entire surface, it surely meets all the conditions, hence, when claim 5 has no inventiveness, claim 6 does not have inventiveness of art. 22.3 of the Patent Law either.

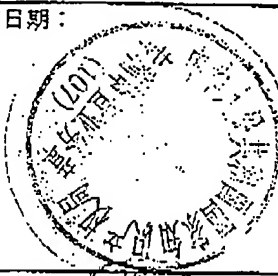
(7) The additional tech-feature in claim 7 is: said metal layer is formed on a side of...a terminal portion. Said feature is disclosed in ref. 2 (ibid.). Hence, when claim 1 has no inventiveness, claim 7 does not have inventiveness of art. 22.3 of the Patent Law either.

(8) The additional tech-feature in claim 8 is: said metal layer is

formed...provided. Said feature is disclosed in ref. 2 (ibid.). Hence, when claim 7 has no inventiveness, claim 8 does not have inventiveness of art. 22.3 of the Patent Law either.

(II) Conclusion

Based on the above reasons, the independent claims and the dependent claims in this application do not possess novelty or inventiveness. Further, there is no other substantive content which can be granted a patent right in the description, therefore, even if the applicant recombines the claims and/or further defines them based on the content in the description, the grant of a patent right to this application will not be in prospect. If the applicant cannot put forward sufficient arguments to prove that this application possesses inventiveness within the time limit for response prescribed in this office action, this application will be rejected.

邮政编码: 香港湾仔港湾道 23 号鹰君中心 22 字楼 中国专利代理(香港)有限公司 杨凯, 傅康	发文日期: 
申请号: 02103362.5	
申请人: 日东电工株式会社	
发明名称: 结合柔性布线电路板	

第一次审查意见通知书

0154747 梁

1. ☒ 依申请人提出的实审请求, 根据专利法第 35 条第 1 款的规定, 审查员对上述发明专利申请进行实质审查。
☐ 根据专利法第 35 条第 2 款的规定, 国家知识产权局决定自行对上述发明专利申请进行审查。
2. ☒ 申请人要求以在:

____ JP ____ 专利局的申请日 2001 年 1 月 26 日 为优先权日,
____ ____ 专利局的申请日 ____ 为优先权日。
____ ____ 专利局的申请日 ____ 为优先权日,
____ ____ 专利局的申请日 ____ 为优先权日。

☒ 申请人已经提交了经原申请受理机关证明的第一次提出的在先申请文件的副本。

☐ 申请人尚未提交经原申请受理机关证明的第一次提出的在先申请文件的副本, 根据专利法第 30 条的规定视为未提出优先权要求。

3. ☐ 申请人于 ____ 年 ____ 月 ____ 日和 ____ 年 ____ 月 ____ 日提交了修改文件。
经审查, 其中: ____ 年 ____ 月 ____ 日提交的 ____ 不符合实施细则第 51 条的规定;
____ 年 ____ 月 ____ 日提交的 ____ 不符合专利法第 33 条的规定。


4. ☒ 审查是针对原始申请文件进行的。

☐ 审查是针对下述申请文件进行的:

说明书 申请日提交的原始申请文件的第 ____ 页;
____ 年 ____ 月 ____ 日提交的第 ____ 页; ____ 年 ____ 月 ____ 日提交的第 ____ 页;
____ 年 ____ 月 ____ 日提交的第 ____ 页; ____ 年 ____ 月 ____ 日提交的第 ____ 页;
权利要求 申请日提交的原始申请文件的第 ____ 项;
____ 年 ____ 月 ____ 日提交的第 ____ 项; ____ 年 ____ 月 ____ 日提交的第 ____ 项;
____ 年 ____ 月 ____ 日提交的第 ____ 项; ____ 年 ____ 月 ____ 日提交的第 ____ 项;
附图 申请日提交的原始申请文件的第 ____ 页;
____ 年 ____ 月 ____ 日提交的第 ____ 页; ____ 年 ____ 月 ____ 日提交的第 ____ 页;
____ 年 ____ 月 ____ 日提交的第 ____ 页; ____ 年 ____ 月 ____ 日提交的第 ____ 页;
说明书摘要 ☐ 申请日提交的; ☐ ____ 年 ____ 月 ____ 日提交的;
摘要附图 ☐ 申请日提交的; ☐ ____ 年 ____ 月 ____ 日提交的。

15 SEP 2004

5. ☐ 本通知书是在未进行检索的情况下作出的。
☒ 本通知书是在进行了检索的情况下作出的。
☒ 本通知书引用下述对比文献(其编号在今后的审查过程中继续沿用):

21301  回函请寄: 100088 北京市海淀区前门桥西土城路 6 号 国家知识产权局专利局受理处收

中华人民共和国国家知识产权局

编号	文件号或名称	公开日期 (或抵触申请的申请日)
1	US 5857257 A	1999-01-12
2	US 5965842 A	1999-10-12
3		
4		

6. 审查的结论性意见:

☐ 关于说明书:

- ☐ 申请的内容属于专利法第 5 条规定的不授予专利权的范围。
☐ 说明书不符合专利法第 26 条第 3 款的规定。
☐ 说明书不符合专利法第 33 条的规定。
☐ 说明书的撰写不符合实施细则第 18 条的规定。

☒ 关于权利要求书:

- ☐ 权利要求____不具备专利法第 22 条第 2 款规定的新颖性。
☒ 权利要求 1-8 不具备专利法第 22 条第 3 款规定的创造性。
☐ 权利要求____不具备专利法第 22 条第 4 款规定的实用性。
☐ 权利要求____属于专利法第 25 条规定的不授予专利权的范围。
☐ 权利要求____不符合专利法第 26 条第 4 款的规定。
☐ 权利要求____不符合专利法第 31 条第 1 款的规定。
☐ 权利要求____不符合专利法第 33 条的规定。
☐ 权利要求____不符合实施细则第 2 条第 1 款关于发明的定义。
☐ 权利要求____不符合实施细则第 13 条第 1 款的规定。
☐ 权利要求____不符合实施细则第 20 条至第 23 条的规定。

上述结论性意见的具体分析见本通知书的正文部分。

7. 基于上述结论性意见, 审查员认为:

- ☐ 申请人应按照通知书正文部分提出的要求, 对申请文件进行修改。
☐ 申请人应在意见陈述书中论述其专利申请可以被授予专利权的理由, 并对通知书正文部分中指出的不符合规定之处进行修改, 否则将不能授予专利权。
☒ 专利申请中没有可以被授予专利权的实质性内容, 如果申请人没有陈述理由或者陈述理由不充分, 其申请将被驳回。
☐

8. 申请人应注意下述事项:

- (1) 根据专利法第 37 条的规定, 申请人应在收到本通知书之日起的 3 个月内陈述意见, 如果申请人无正当理由逾期不答复, 其申请将被视为撤回。
(2) 申请人对其申请的修改应符合专利法第 33 条的规定, 修改文本应一式两份, 其格式应符合本局指南的有关规定。
(3) 申请人的意见陈述书和/或修改文本应即寄或递交给国家知识产权局专利局受理处, 凡未邮寄或递交给受理处的文件不具备法律效力。
(4) 未经预约, 申请人和/或代理人不得前来国家知识产权局专利局与审查员举行会晤。

9. 本通知书正文部分共有 3 页, 并附有下列附件:☒ 引用的对比文件的复印件共 2 份 9 页。☐审查 3 部 6 室

审查员签章: 3622



完成日期: 2004-03-30

21301 北京市知识产权局专利局受理处

第一次审查意见通知书正文

如说明书所述, 本申请涉及一种结合柔性布线电路板。其优先权日为 2001 年 1 月 26 日, 而申请日为 2002 年 1 月 28 日, 超过了 12 个月的期限, 所以其优先权不成立。经审查, 现提出如下审查意见。

(一) 权利要求书

(1) 权利要求 1 不具备创造性, 不符合专利法第 22 条第 3 款的规定。对比文件 1 (US 5857257 A) 公开了一种磁头悬挂臂的柔性线路部分的制作方法, 并具体公开了以下的技术特征“一种磁头悬挂臂的柔性线路部件, 用于将磁头元件和读写放大线路板连接在一起”(参见对比文件 1 的第 1 栏第 7 行至第 14 行, 第 2 栏第 27 行至第 48 行)。权利要求 1 与之相比, 区别在于权利要求 1 要求“在所述结合柔性布线板的前表面形成金属层”。这一区别技术特征的作用是避免柔性布线电路板与悬挂板之间的信号反射, 改善特性阻抗问题。

对比文件 2 (US 5965842 A) 公开了一种电磁干扰屏蔽膜, 其具体用于电脑连接软导线上, 如聚酰亚胺衬底和铜带组成的导电带, 在其表面镀上一层铜或镍的金属层(参见对比文件 2 第 1 栏第 36 行至第 42 行, 第 2 栏第 1 行至第 10 行), 其作用也是为了改善特性阻抗问题, 由此可见, 对比文件 1 和对比文件 2 已经披露了该权利要求的全部技术特征。在对比文件 1 的基础上结合对比文件 2 得出该权利要求所要求保护的技术方案, 对本领域的技术人员来说是显而易见的, 而且两者的结合没有产生预料不到的技术效果, 因此该权利要求不具备突出的实质性特点和显著的进步, 因而不具备创造性, 不符合专利法第 22 条第 3 款的规定。

(2) 权利要求 2 的附加技术特征为“以一定间距布置的多个布线电路图案, 金属层制作在图案相对位置”, 这也被对比文件 1 和对比文件 2 所公开(参见位置同上), 区别只在于对比文件 1 公开的是“一条读出线和一条写入线, 但读出写入线的多少完全是根据需要来设置的, 多设置几条并不能带来突出的实质性特点和显著的进步, 所以当权利要求 1 不具有创造性时, 权利要求 2 也不具有创造性, 不符合专利法第 22 条第 3 款的规定。

(3) 权利要求 3 的附加技术特征为“每一布线电路图案宽度不凸出在金属层宽度之外”，这已经被对比文件 1 和对比文件 2 所公开（参见位置同上），对比文件 2 中金属层覆盖总个面，布线电路图案肯定不会凸出在金属层之外，所以当权利要求 2 不具有创造性时，权利要求 3 也不具有创造性，不符合专利法第 22 条第 3 款的规定。

(4) 权利要求 4 的附加技术特征为“金属层宽度不小于布线电路图案总宽度和间距总宽度之和，每一布线电路图案宽度不凸出在金属层宽度之外”，这已经被对比文件 1 和对比文件 2 所公开（参见位置同上），对比文件 2 中金属层覆盖总个面，宽度肯定大于布线电路图案，所以当权利要求 2 不具有创造性时，权利要求 4 也不具有创造性，不符合专利法第 22 条第 3 款的规定。

(5) 权利要求 5 的附加技术特征为“每一布线电路图案配置至少一读出线和至少一写入线，所述金属层包括与写入线相对部分和与读出线相对部分”，这已经被对比文件 1 和对比文件 2 所公开（参见位置同上），对比文件 1 中的布线电路图案配置了一读出线和一写入线，对比文件 2 中金属层覆盖总个面，自然有与写入线相对的部分和读出线相对的部分，所以当权利要求 2 不具有创造性时，权利要求 5 也不具有创造性，不符合专利法第 22 条第 3 款的规定。

(6) 权利要求 6 的附加技术特征为“写入线侧金属层宽度不小于写入线总宽度和写入线间距总宽度之和，每一写入线部分宽度不凸出在写入线侧金属层宽度之外，读出线侧金属层宽度不小于读出线总宽度和读出线间距总宽度之和，每一读出线部分宽度不凸出在读出线侧金属层宽度之外”，这已经被对比文件 1 和对比文件 2 所公开（参见位置同上），对比文件 2 中金属层覆盖总个面，自然满足所有条件，所以当权利要求 5 不具有创造性时，权利要求 6 也不具有创造性，不符合专利法第 22 条第 3 款的规定。

(7) 权利要求 7 的附加技术特征为“在端子部分一侧形成金属层”，这已经被对比文件 2 所公开（参见位置同上），所以当权利要求 1 不具有创造性时，权利要求 7 也不具有创造性，不符合专利法第 22 条第 3 款的规定。

(8) 权利要求 8 的附加技术特征为“除了设置端子部分的各部分之外，沿长度方向基本上均匀的形成上述金属层”，这已经被对比文件 2 所公开（参见位置同上），所以当权利要求 7 不具有创造性时，权利要求 8 也不具有创造性，不符合专利法第 22 条第 3 款的规定。

(二) 结论

基于上述理由，本申请的独立权利要求以及从属权利要求都不具备新颖性或创造性，同时说明书中也没有记载其他任何可以授予专利权的实质性内容，因而即使申请人对权利要求进行重新组合和 / 或根据说明书记载的内容作进一步的限定，本申请也不具备被授予专利权的前景。如果申请人不能在本通知书规定的答复期限内提出表明本申请具有创造性的充分理由，本申请将被驳回。

审查员：喻 颖 (3622)

2004 年 3 月 30 日